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Production of individually tailored hair dyes comprises mixing
calculated quantities of hair dye chemicals in a machine (Ger)
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NOVELTY

Production of individually tailored hair dyes comprises:
determining the color and quantity of dye required by a customer;
providing hair dye chemicals; retrieving a mixing ratio for the desired
color from storage; determining the required volumes of chemicals
from the mixing ratio and the required quantity of dye; mixing the
determined volumes of chemicals in a machine; and supplying the dye.

DETAILED DESCRIPTION

Production of individually tailored hair dyes comprises:
determining the color and quantity of dye required by a customer;
providing a set of hair dye chemicals; retrieving a mixing ratio for the
desired color from storage; determining the required volumes of

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chemicals from the mixing ratio and the required quantity of dye;
mixing the determined volumes of chemicals in a machine; and
supplying the dye for application to the customer.
An INDEPENDENT CLAIM is also included for an apparatus for
producing individually tailored hair dyes, comprising: a user interface
for entering the color and quantity of dye required by a customer;
containers for different couplers; containers for other dye ingredients,
e.g. developers, emulsifiers, stabilizer and surfactants; at least one
container for oxidizing agent; a storage unit holding mixing ratios for
different colors; a processing unit for determining the required
volumes of chemicals; a dosing and mixing unit; and a dye supply
unit.

USE

For producing individually tailored hair dyes, e.g. in hairdressers.

ADVANTAGE

A broad spectrum of colors can be produced in a single center.

EP 1138374-A+

TECHNOLOGY FOCUS

Organic Chemistry - Preferred Chemicals: These comprise a 0.01-1%
p-phenylenediamine solution, a 0.01-1% m-aminophenol solution, a
0.01-4% resorcinol solution, demineralized water, a 1-25% ammonia
solution, a 1-35% hydrogen peroxide solution and a 0.01-1.5% 2,5-
diaminotoluene sulfate solution.
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